

Qingshan Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1279557/publications.pdf>

Version: 2024-02-01

84
papers

3,371
citations

172207

29
h-index

143772

57
g-index

88
all docs

88
docs citations

88
times ranked

1379
citing authors

#	ARTICLE	IF	CITATIONS
1	A Second-Order Multi-Agent Network for Bound-Constrained Distributed Optimization. IEEE Transactions on Automatic Control, 2015, 60, 3310-3315.	3.6	288
2	A Multi-Agent System With a Proportional-Integral Protocol for Distributed Constrained Optimization. IEEE Transactions on Automatic Control, 2017, 62, 3461-3467.	3.6	239
3	A One-Layer Recurrent Neural Network With a Discontinuous Hard-Limiting Activation Function for Quadratic Programming. IEEE Transactions on Neural Networks, 2008, 19, 558-570.	4.8	216
4	Distributed Optimization Based on a Multiagent System in the Presence of Communication Delays. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 717-728.	5.9	211
5	A One-Layer Projection Neural Network for Nonsmooth Optimization Subject to Linear Equalities and Bound Constraints. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 812-824.	7.2	209
6	A Collective Neurodynamic Approach to Distributed Constrained Optimization. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 1747-1758.	7.2	187
7	A one-layer recurrent neural network for constrained pseudoconvex optimization and its application for dynamic portfolio optimization. Neural Networks, 2012, 26, 99-109.	3.3	138
8	Constrained Consensus Algorithms With Fixed Step Size for Distributed Convex Optimization Over Multiagent Networks. IEEE Transactions on Automatic Control, 2017, 62, 4259-4265.	3.6	121
9	A One-Layer Recurrent Neural Network for Constrained Nonsmooth Optimization. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 1323-1333.	5.5	114
10	A Collaborative Neurodynamic Approach to Multiple-Objective Distributed Optimization. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 981-992.	7.2	114
11	A One-Layer Recurrent Neural Network for Pseudoconvex Optimization Subject to Linear Equality Constraints. IEEE Transactions on Neural Networks, 2011, 22, 1892-1900.	4.8	100
12	-Minimization Algorithms for Sparse Signal Reconstruction Based on a Projection Neural Network. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 698-707.	7.2	99
13	Finite-Time Convergent Recurrent Neural Network With a Hard-Limiting Activation Function for Constrained Optimization With Piecewise-Linear Objective Functions. IEEE Transactions on Neural Networks, 2011, 22, 601-613.	4.8	96
14	A One-Layer Recurrent Neural Network with a Discontinuous Activation Function for Linear Programming. Neural Computation, 2008, 20, 1366-1383.	1.3	79
15	A Projection Neural Network for Constrained Quadratic Minimax Optimization. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 2891-2900.	7.2	79
16	A Delayed Neural Network for Solving Linear Projection Equations and its Analysis. IEEE Transactions on Neural Networks, 2005, 16, 834-843.	4.8	67
17	A Novel Recurrent Neural Network With One Neuron and Finite-Time Convergence for k -Winners-Take-All Operation. IEEE Transactions on Neural Networks, 2010, 21, 1140-1148.	4.8	64
18	One-Layer Continuous-and Discrete-Time Projection Neural Networks for Solving Variational Inequalities and Related Optimization Problems. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 1308-1318.	7.2	61

#	ARTICLE	IF	CITATIONS
19	A One-Layer Recurrent Neural Network for Real-Time Portfolio Optimization With Probability Criterion. IEEE Transactions on Cybernetics, 2013, 43, 14-23.	6.2	57
20	Cooperativeâ€“Competitive Multiagent Systems for Distributed Minimax Optimization Subject to Bounded Constraints. IEEE Transactions on Automatic Control, 2019, 64, 1358-1372.	3.6	55
21	A Recurrent Neural Network Based on Projection Operator for Extended General Variational Inequalities. IEEE Transactions on Systems, Man, and Cybernetics, 2010, 40, 928-938.	5.5	51
22	Two k-winners-take-all networks with discontinuous activation functions. Neural Networks, 2008, 21, 406-413.	3.3	48
23	A Novel Recurrent Neural Network with Finite-Time Convergence for Linear Programming. Neural Computation, 2010, 22, 2962-2978.	1.3	43
24	Cooperative Optimization of Dual Multiagent System for Optimal Resource Allocation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 4676-4687.	5.9	40
25	Prescribed Performance Controller Design for DC Converter System With Constant Power Loads in DC Microgrid. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 4339-4348.	5.9	39
26	A Distributed Optimization Algorithm Based on Multiagent Network for Economic Dispatch With Region Partitioning. IEEE Transactions on Cybernetics, 2021, 51, 2466-2475.	6.2	39
27	A Discrete-Time Projection Neural Network for Sparse Signal Reconstruction With Application to Face Recognition. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 151-162.	7.2	35
28	Cross-Modality Contrastive Learning for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	2.7	35
29	Global exponential stability of discrete-time recurrent neural network for solving quadratic programming problems subject to linear constraints. Neurocomputing, 2011, 74, 3494-3501.	3.5	34
30	Minimum spanning tree based graph neural network for emotion classification using EEG. Neural Networks, 2022, 145, 308-318.	3.3	29
31	Neural-Network-Based Fully Distributed Adaptive Consensus for a Class of Uncertain Multiagent Systems. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 2965-2977.	7.2	28
32	Global exponential system of projection neural networks for system of generalized variational inequalities and related nonlinear minimax problems. Neurocomputing, 2010, 73, 2069-2076.	3.5	24
33	Quantized event-triggered communication based multi-agent system for distributed resource allocation optimization. Information Sciences, 2021, 577, 336-352.	4.0	22
34	A consensus algorithm based on collective neurodynamic system for distributed optimization with linear and bound constraints. Neural Networks, 2020, 122, 144-151.	3.3	21
35	Consensus of Heterogeneous Nonlinear Multiagent Systems With Duplex Control Laws. IEEE Transactions on Automatic Control, 2019, 64, 5140-5147.	3.6	16
36	Distributed Optimization Algorithm for Multi-Robot Formation with Virtual Reference Center. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 732-734.	8.5	16

#	ARTICLE	IF	CITATIONS
37	Improved global exponential stability criteria of cellular neural networks with time-varying delays. <i>Mathematical and Computer Modelling</i> , 2006, 43, 423-432.	2.0	15
38	Resilient Penalty Function Method for Distributed Constrained Optimization under Byzantine Attack. <i>Information Sciences</i> , 2022, 596, 362-379.	4.0	15
39	A One-Layer Recurrent Neural Network for Non-smooth Convex Optimization Subject to Linear Equality Constraints. <i>Lecture Notes in Computer Science</i> , 2009, , 1003-1010.	1.0	14
40	A review of distributed optimization: Problems, models and algorithms. <i>Neurocomputing</i> , 2022, 483, 446-459.	3.5	13
41	An inertial neural network approach for robust time-of-arrival localization considering clock asynchronization. <i>Neural Networks</i> , 2022, 146, 98-106.	3.3	13
42	Iterative projection based sparse reconstruction for face recognition. <i>Neurocomputing</i> , 2018, 284, 99-106.	3.5	12
43	A One-Layer Dual Recurrent Neural Network with a Heaviside Step Activation Function for Linear Programming with Its Linear Assignment Application. <i>Lecture Notes in Computer Science</i> , 2011, , 253-260.	1.0	10
44	Distributed optimisation based on multi-agent system for resource allocation with communication time delay. <i>IET Control Theory and Applications</i> , 2020, 14, 549-557.	1.2	10
45	Adaptive Multi-View and Temporal Fusing Transformer for 3D Human Pose Estimation. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2023, 45, 4122-4135.	9.7	10
46	Optimal Control on Finite-Time Consensus of the Leader-Following Stochastic Multiagent System With Heuristic Method. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 3617-3628.	5.9	9
47	A projection-based algorithm for optimal formation and optimal matching of multi-robot system. <i>Nonlinear Dynamics</i> , 2021, 104, 439-450.	2.7	9
48	A Recurrent Neural Network for Non-smooth Convex Programming Subject to Linear Equality and Bound Constraints. <i>Lecture Notes in Computer Science</i> , 2006, , 1004-1013.	1.0	8
49	A Delayed Lagrangian Network for Solving Quadratic Programming Problems with Equality Constraints. <i>Lecture Notes in Computer Science</i> , 2006, , 369-378.	1.0	8
50	A Discrete-Time Recurrent Neural Network with One Neuron for k-Winners-Take-All Operation. <i>Lecture Notes in Computer Science</i> , 2009, , 272-278.	1.0	8
51	Semi-Supervised Video Object Segmentation via Learning Object-Aware Global-Local Correspondence. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2022, 32, 8153-8164.	5.6	7
52	Hierarchical Context Network for Airborne Image Segmentation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-12.	2.7	7
53	A one-layer recurrent neural network for convex programming. , 2008, , .		6
54	Using the center loss function to improve deep learning performance for EEG signal classification. , 2018, , .		6

#	ARTICLE	IF	CITATIONS
55	A Continuous-Time Distributed Algorithm for Solving a Class of Decomposable Nonconvex Quadratic Programming. Journal of Artificial Intelligence and Soft Computing Research, 2018, 8, 283-291.	3.5	6
56	Self-Supervised Video Representation Learning Using Improved Instance-Wise Contrastive Learning and Deep Clustering. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 6741-6752.	5.6	6
57	Generalized recurrent neural network for μ -insensitive support vector regression. Mathematics and Computers in Simulation, 2012, 86, 2-9.	2.4	5
58	Adaptive stabilization for a class of uncertain p -normal nonlinear systems via a generalized homogeneous domination technique. Nonlinear Dynamics, 2018, 93, 847-862.	2.7	5
59	A Projection-Based Algorithm for Constrained L_1 -Minimization Optimization with Application to Sparse Signal Reconstruction. , 2018, , .		5
60	Unsupervised Spatial-Spectral Network Learning for Hyperspectral Compressive Snapshot Reconstruction. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	2.7	5
61	Collaborative Representation Based Projections for Face Recognition. Communications in Computer and Information Science, 2012, , 276-283.	0.4	4
62	A neural network with a single recurrent unit for associative memories based on linear optimization. Neurocomputing, 2013, 118, 263-267.	3.5	4
63	CED-Net: contextual encoder-decoder network for 3D face reconstruction. Multimedia Systems, 2022, 28, 1713-1722.	3.0	4
64	A One-layer Recurrent Neural Network with a Unipolar Hard-limiting Activation Function for k -Winners-Take-All Operation. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	3
65	Multiple-objective optimization based on a two-time-scale neurodynamic system. , 2016, , .		3
66	A continuous-time algorithm based on multi-agent system for distributed least absolute deviation subject to hybrid constraints. , 2017, , .		3
67	Distributed optimization with hybrid linear constraints for multi-agent networks. International Journal of Robust and Nonlinear Control, 2022, 32, 2069-2083.	2.1	3
68	A one-layer recurrent neural network for constrained single-ratio linear fractional programming. , 2011, , .		2
69	Advances on Brain Inspired Computing. Cognitive Computation, 2013, 5, 161-163.	3.6	2
70	A Novel Recurrent Neural Network with a Continuous Activation Function for Winner-Take-All. , 2013, , .		2
71	Projection particle swarm optimizer. , 2017, , .		2
72	Realization of Prescribed Performance Control for DC Converter System in DC Microgrid via Finite-Time Sliding Mode Observer. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
73	Invariant Set and Attractor of Nonautonomous Functional Differential Systems: A Decomposition Approach. <i>Nonlinear Dynamics</i> , 2004, 37, 19-29.	2.7	1
74	Recurrent Neural Networks with Discontinuous Activation Functions for Convex Optimization. <i>Series in Machine Perception and Artificial Intelligence</i> , 2011, , 95-119.	0.1	1
75	A one-layer discrete-time projection neural network for support vector classification. , 2014, , .		1
76	A one-layer projection neural network for linear assignment problem. , 2015, , .		1
77	A Lagrange Multiplier Method for Distributed Optimization Based on Multi-Agent Network With Private and Shared Information. <i>IEEE Access</i> , 2019, 7, 83297-83305.	2.6	1
78	Continuous-Time Multi-agent Network for Distributed Least Absolute Deviation. <i>Lecture Notes in Computer Science</i> , 2015, , 436-443.	1.0	1
79	Computational Neuroscience. <i>Computational and Mathematical Methods in Medicine</i> , 2014, 2014, 1-2.	0.7	0
80	A Distributed Algorithm Based on Multi-agent Network for Solving Linear Algebraic Equation. <i>Lecture Notes in Computer Science</i> , 2018, , 415-422.	1.0	0
81	Adaptive State Observer Design for Dynamic Links in Complex Dynamical Networks. <i>Computational Intelligence and Neuroscience</i> , 2020, 2020, 1-8.	1.1	0
82	Continuous-Time Algorithm for Multi-Agent Optimization with Global Coupled Constraints. , 2021, , .		0
83	A One-Layer Dual Neural Network with a Unipolar Hard-Limiting Activation Function for Shortest-Path Routing. <i>Lecture Notes in Computer Science</i> , 2010, , 498-505.	1.0	0
84	Mixed-Norm Projection-Based Iterative Algorithm for Face Recognition. <i>Lecture Notes in Computer Science</i> , 2019, , 331-340.	1.0	0